

In the Claims:

- 31
1. An electrical connection comprising:
an elongated solid conductor having a longitudinally extending groove;
and
a terminal having a base portion, a first wing and a second wing, the base
5 portion engaging the solid conductor, the first and second wings projecting laterally
outward and in opposite directions from the base portion, the first wing and the second
wing curling about the solid conductor and projecting into the groove, the first wing and
the second wing engaging each other within the groove to resist spring-back of the first
and second wings.
2. The electrical connection set forth in claim 1 comprising:
an outer surface of the terminal carried by the base portion, the first wing
and the second wing; and
the outer surface having a first distal edge portion carried by the first wing
5 and disposed within the groove and a second distal edge portion carried by the second
wing and disposed within the groove, the first and second distal edge portions being
engaged to prevent spring-back of the first and second wings out of the groove.
3. The electrical connection set forth in claim 2 comprising:
the solid conductor have a compliant first rail and a compliant second rail,
the groove being defined laterally between the first and second rails;
a window carried by the first wing, wherein the compliant first rail of the
5 conductor extrudes into the window of the first wing when the terminal is curled and
crimped about the conductor; and
a window carried by the second wing, wherein the compliant second rail
of the conductor extrudes into the window of the second wing when the terminal is
curled and crimped about the conductor.

4. The electrical connection set forth in claim 2 wherein the first and second rails each have a longitudinally extending vertex impinged malleably against the respective first and second wings of the terminal when the terminal is curled and crimped about the conductor providing electrical engagement of the terminal to the conductor.

5

5. An electrical connection comprising:

a male pin having a longitudinally extending groove, a concave face defining the groove, and a convex face aligned laterally outward from the concave face;

5

a terminal having an outer surface, an inner surface, a first wing and an opposite laterally extending second wing;

the outer surface of the crimp terminal having a first distal edge portion carried by the first wing and a second distal edge portion carried by the second wing;

wherein the inner surface of the crimp terminal is engaged electrically to the male pin when the crimp terminal is curled and crimped about the male pin; and

10

wherein the first and second distal edge portions of the first and second wings are disposed within the groove and extended longitudinally with respect to the male pin, the first distal edge portion being engaged to the second distal edge portion.

6. The electrical connection set forth in claim 5 comprising:

a compliant first rail of the male pin defined between the convex and concave faces;

5

a compliant second rail of the male pin defined between the convex and concave faces, the groove extending longitudinally between the first and second rails;

a window carried by the first wing wherein the compliant first rail of the male pin extrudes outward and into the window of the first wing when the crimp terminal is crimped about the male pin; and

10

a window carried by the second wing wherein the compliant second rail of the male pin extrudes outward and into the window of the second wing when the crimp terminal is crimped about the male pin.

7. The electrical connection set forth in claim 6 wherein the first and second rails each have a vertex extended axially to the male pin and wherein the vertexes cut into the inner surface of the respective first and second wings when the crimp terminal is being crimped about the first and second rails of the male pin.

8. The electrical connection set forth in claim 7 wherein the crimp terminal is harder than the male pin.

9. The electrical connection set forth in claim 8 wherein the male pin has a V-shaped cross section aligned axially to the groove.

31
10. The electrical connection set forth in claim 9 wherein the male pin is a planar bar.

11. The electrical connection set forth in claim 8 wherein the male pin is cylindrical and has a U-shaped cross section aligned axially to the groove.

12. The electrical solid core crimp connection set forth in claim 8 wherein the first and second rails each have a leading end and a trailing end, and wherein the groove communicates through the leading end and the solid core male pin projects rearward from the trailing end.

13. The electrical connection set forth in claim 10 comprising:
the groove having a leading end and a trailing end each carried by both the first and second rails; and

a protuberance projecting axially forward from the leading end, and the
5 male pin projecting rearward from the trailing end.

14. A method of manufacturing a plurality of electrical connections comprising:

cutting a plurality of solid blade-like conductors aligned side-by-side and engaged unitarily by a carrier strip from a single metallic sheet;

5 mass stamping an engagement portion into each one of the plurality of solid blade-like conductors;

crimping a terminal to a respective one of the engagement portions of the plurality of solid blade-like conductors; and

10 cutting the carrier strip away from the respective one of the plurality of solid blade-like conductors engaged to the terminal.

add A1
add B1